



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 624L 1DW624LZTLF707627
 Component
Rear Differential
 Fluid
TDH FLUID SAE 75W80 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0213182	JR0182772	JR0138481
Sample Date		Client Info		21 May 2024	16 Aug 2023	02 Feb 2023
Machine Age	hrs	Client Info		4131	3071	2162
Oil Age	hrs	Client Info		0	0	2162
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	MARGINAL

WEAR

The lead level is abnormal. All other component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		36	24	20
Iron	ppm	ASTM D5185m	>500	218	134	102
Chromium	ppm	ASTM D5185m	>10	2	1	<1
Nickel	ppm	ASTM D5185m	>10	2	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	2	3	<1
Lead	ppm	ASTM D5185m	>25	▲ 156	▲ 114	▲ 28
Copper	ppm	ASTM D5185m	>100	73	44	20
Tin	ppm	ASTM D5185m	>10	5	3	1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

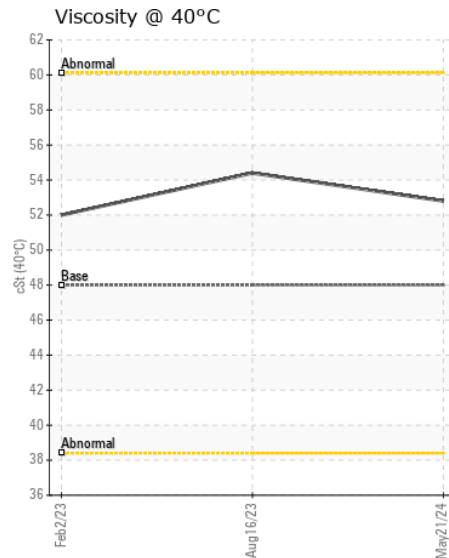
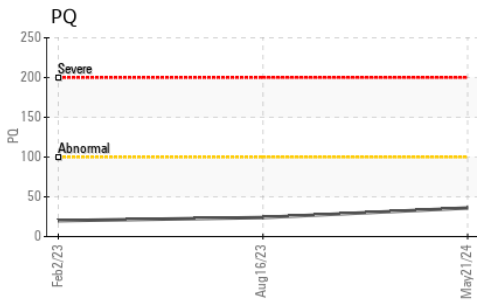
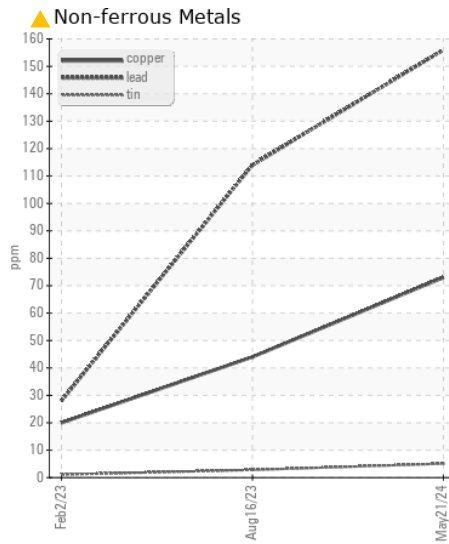
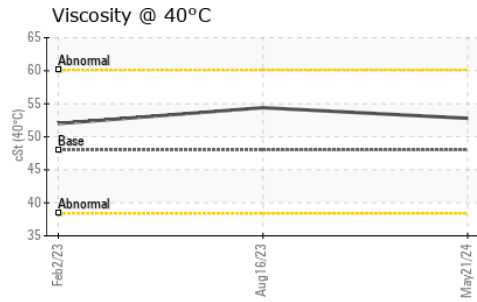
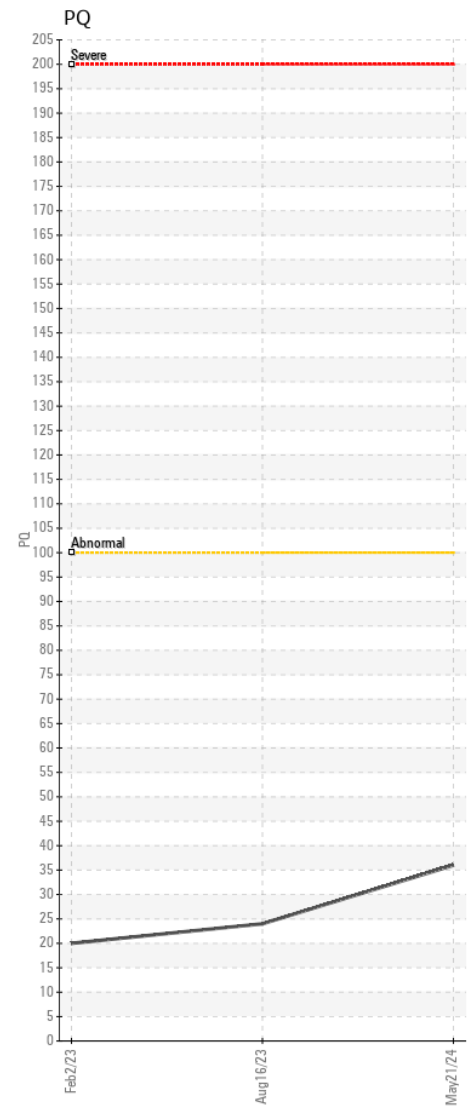
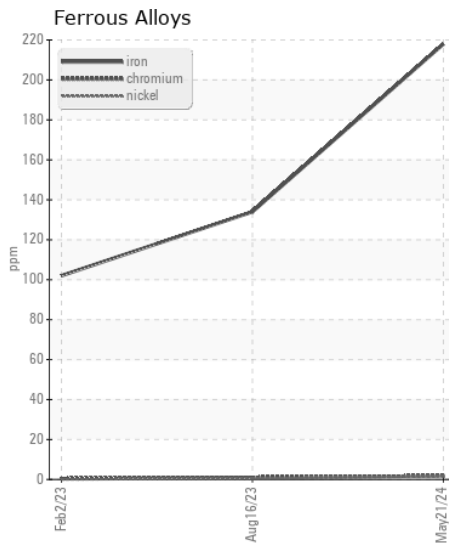
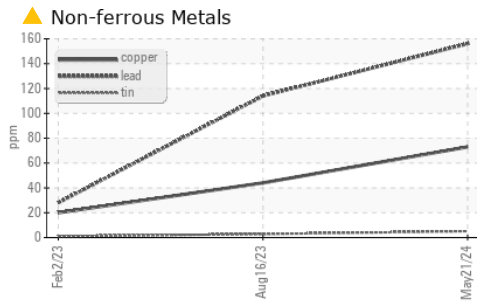
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	10	10	5
Potassium	ppm	ASTM D5185m	>20	4	0	3
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		5	4	7
Boron	ppm	ASTM D5185m	10	25	24	3
Barium	ppm	ASTM D5185m	10	2	2	5
Molybdenum	ppm	ASTM D5185m	10	19	17	<1
Manganese	ppm	ASTM D5185m		4	3	3
Magnesium	ppm	ASTM D5185m	100	146	145	92
Calcium	ppm	ASTM D5185m	3500	3273	3162	3185
Phosphorus	ppm	ASTM D5185m	1150	923	970	899
Zinc	ppm	ASTM D5185m	1150	1176	1131	1092
Sulfur	ppm	ASTM D5185m	5000	3764	3924	3781
Visc @ 40°C	cSt	ASTM D445	48	52.8	54.4	52.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0213182

Lab Number : 06189515

Unique Number : 11046267

Test Package : CONST (Additional Tests: PQ)

Received : 23 May 2024

Tested : 24 May 2024

Diagnosed : 28 May 2024 - Don Baldrige

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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